

DEPARTMENT OF COMMERCE

# AFV REPORT

# FISCAL YEAR

2005



**U.S. Department of Commerce**  
**Fleet Alternative Fuel Vehicle Report for Fiscal Year 2005**

This is the U.S. Department of Commerce (DOC) Fleet Alternative Fuel Vehicle (AFV) Report for FY 2005, including planned acquisitions and projections for FY 2006 and FY 2007. The report has been developed in accordance with the Energy Policy Act of 1992 (EPAAct) (Public Law 102-486), as amended by the Energy Conservation Reauthorization Act of 1998 (Public Law 105-388) (ECRA), and Executive Order 13149, *Greening the Government Through Federal Fleet and Transportation Efficiency* (April 2000).

**Legislative Requirements**

P.L. 102-486 requires 75 percent of all covered light-duty vehicles (LDVs) acquired for Federal fleets in FY 1999 and beyond to be AFVs (where the fleets have 20 or more light duty vehicles, are capable of being centrally fueled, and are operated in a metropolitan statistical area with a population of more than 250,000 based on the 1980 census). Certain emergency, law enforcement, and national defense vehicles are exempt from these requirements. EPAAct also sets a goal of using replacement fuels to displace at least 30 percent of the projected consumption of motor fuel in the United States annually by the year 2010. The Energy Conservation and Reauthorization Act of 1998 amended P.L. 102-486 to allow one alternative fuel vehicle acquisition credit for every 450 gallons of pure biodiesel fuel consumed in vehicles over 8,500 pounds gross vehicle weight rating. "Biodiesel credits" may fulfill up to 50 percent of an agency's EPAAct requirements.

The head of each Federal agency must also prepare and submit an annual report to Congress outlining the agency's AFV acquisitions and future plans. Executive Order 13149 directs Federal agencies operating a fleet of 20 or more vehicles within the United States to reduce their annual petroleum consumption by at least 20 percent by the end of FY 2005 (compared to FY 1999 levels) by using alternative fuels in AFVs more than 50 percent of the time, improving the average fuel economy of new petroleum-fueled LDV acquisitions by 1 mpg by FY 2002 and 3 mpg by FY 2005, and using other fleet efficiency measures.

**Department of Commerce Fleet Acquisition Compliance for FY 2005**

In FY 2005, the DOC exceeded the 75% acquisition requirement for AFVs set forth in EPAAct. DOC acquired 120 AFVs out of the total 131 LDVs covered under the Act, resulting in 92% compliance for AFV acquisitions. Attachment A provides detailed information on the number and types of LDVs leased or purchased for the Department's fleet in FY 2005.

## **Alternative Fuel Use by the Department of Commerce Fleet in FY 2005**

Table 1 represents alternative fuel use data for the DOC fleet in FY 2005. The majority of vehicles acquired by the DOC are leased from GSA, and the leasing contract folds in the maintenance and fuel costs for the vehicles. This is accomplished by the use of a GSA credit card that the fleets use to purchase alternative fuel. However, since product code standards are not uniform among suppliers of alternative fuels (e.g., ethanol or E-85), it is impossible for credit vendors to accurately track the purchase of alternative fuels with this credit card.

**Table 1. The Department of Commerce Fuel Use in FY 2005**

<b>Fuel Type</b>	<b>Quantity</b>	<b>Unit</b>
Biodiesel – B100		Gallons
CNG	19	Gallons @ 2,400 psi, 70°F
+62CNG		Hundred cu. ft.
Diesel	56,678	Gallons
E-85 (ethanol)	1,066	Gallons
Gasoline	1,154,023	Gallons
Methanol		Gallons
Propane		Gallons

## **Department of Commerce's EPACT Compliance for FY 2006 and FY 2007**

The AFV acquisitions for FY 2006 and FY 2007 for GSA-leased vehicles are projected to be at least 75 percent of non-exempt new vehicle acquisitions for all covered fleet locations. DOC participates in the GSA Surcharge Program, which allows GSA to assess a nominal fee on all DOC existing GSA vehicle leases. The funds accrued in this reserve are used to pay for the incremental costs incurred in purchasing AFVs for the DOC fleet. GSA has agreed to provide AFVs as replacement vehicles for GSA-leased vehicles based on replacement standards in FY 2006 and FY 2007. Guidelines have been issued to all DOC Bureaus to ensure alternative fuel is used in flex-fuel and bi-fuel AFVs at all times. The use of petroleum in AFVs has to be justified by the bureaus.

Where EPACT is applicable, DOC fleet managers have been instructed to substitute more energy efficient vehicles for their current fleet when replacements are made. All Bureaus are directed to comply with the following replacement guidelines as appropriate:

- Explore use of an alternative fuel or fuel-efficient vehicle before purchasing any new vehicle (including Exempt, Medium and Heavy Duty vehicles);
- Replace 4X4 vehicles with 4X2 vehicles;
- Replace 8-cylinder vehicles with 6-cylinder vehicles; and
- Replace large vehicles with smaller vehicles.

All Bureaus are directed to take the following actions in order to achieve EPAAct compliance:

- Report miles driven and fuel consumption (actual) on a quarterly basis with the odometer reading;
- Use alternative fuel in all AFVs and separately identify in the quarterly report;
- Train fleet managers on the proper use of Federal Automotive Statistical Tool (FAST);
- Verify annual data input against quarterly reports and ensure all vehicles are reported; and
- Request approval before purchasing or leasing a 4X4 or 8-cylinder vehicle.

### **Summary**

As detailed in this report and the attachments, the Department achieved the AFV acquisition requirements of Public Law 102-486 in FY 2005. The Department will look for opportunities to continue to purchase AFVs for those regions where alternative fuel is available. The Department participated in the GSA Surcharge Program in FY 2005. Participation in the Program allowed DOC to meet and exceed the requirement of 75 percent AFVs for FY 2005.

If you require any further information on this matter, please contact Joy Taylor at 202-482-6122 or Zackary Williams at 202-482-3607.

## Actuals Department of Commerce FY 2005 Vehicle Acquisitions

Actuals FY 2005 Light-Duty Vehicle Acquisitions					Total Vehicle Inventory
	Leased	Purchased	Total		
Total number of Light-Duty (8,500 GVWR) - Vehicle Acquisitions	299	5	304		1,449
Fleet Size	1	0	1		1
Geographic	0	0	0		25
Law Enforcement	101	2	103		162
Non-MSA Operation (fleet)	0	1	1		45
Exemptions Non-MSA Operation (vehicles)	68	0	68		(n/a)
EPACT Covered Acquisitions	129	2	131		1,216
Actuals FY 2005 AFV Acquisitions					Total Vehicle Inventory
Vehicle	Leased	Purchased	Total		
Sedan CNG Bi-Fuel Subcompact	0	0	0		2
Sedan CNG Bi-Fuel Compact	0	0	0		1
Sedan E-85 Flex-Fuel Compact	22	0	22		70
Sedan E-85 Flex-Fuel Midsize	6	0	6		24
Pickup 4x2 CNG Bi-Fuel	0	0	0		3
Pickup 4x2 CNG Dedicated	0	0	0		1
Pickup 4x2 E-85 Flex-Fuel	2	0	2		24
Pickup 4x4 E-85 Flex-Fuel	5	1	6		9
Pickup 4x4 LPG Bi-Fuel	0	0	0		1
SUV 4x2 E-85 Flex-Fuel	0	0	0		4
SUV 4x4 E-85 Flex-Fuel	34	0	34		86
Minivan 4x2 (Passenger) E-85 Flex-Fuel	49	0	49		159
Minivan 4x2 (Passenger) Electric Dedicated	0	0	0		0
Van 4x2 (Passenger) CNG Dedicated	0	0	0		4
Van 4x2 (Cargo) CNG Bi-Fuel	0	0	0		1
Van 4x2 (Cargo) CNG Dedicated	0	0	0		1
Pickup MD CNG Bi-Fuel	0	0	0		2
Van MD (Passenger) CNG Bi-Fuel	1	0	1		1
Van MD (Cargo) CNG Bi-Fuel	0	0	0		2
Van MD (Cargo) CNG Dedicated	0	0	0		8
<b>Total Number of AFV Acquisitions</b>	<b>119</b>	<b>1</b>	<b>120</b>		<b>403</b>
Zero Emission Vehicle Credits	0	0	0		
Dedicated Light-Duty AFV Credits	0	0	0		
Dedicated Medium-Duty AFV Credits	0	0	0		
Dedicated Heavy-Duty AFV Credits	0	0	0		
Biodiesel Fuel Usage Credits - Actuals			0		
<b>Total AFV Acquisitions with Credits</b>	<b>119</b>	<b>1</b>	<b>120</b>		
AFV Percentage of Covered Light-Duty Vehicle Acquisition			92%		